

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit 2617 : PATENT APPLICATION  
Examiner Meless Zewdu :  
In re application of :  
RAMI CASPI ET AL. : SYSTEM AND METHOD FOR  
Serial No. 10/672,057 : CENTRALLY-HOSTED PRESENCE  
Filed September 26, 2003 :  
Confirmation No. 7137 :

**LETTER**

Pittsburgh, Pennsylvania 15219

April 29, 2009

Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

The above-identified application was filed by Express Mail on September 26, 2003. Applicants have been informed that when the application was scanned into the image file wrapper page 23 of the application was not completely scanned. The left portion of the text on that page is missing from the image file wrapper.

Submitted herewith as an attachment is a complete copy of page 23 of the application as filed.

The undersigned has reviewed the specification as contained in the image file wrapper for this application. All of the other pages of the specification were scanned completely and correctly.

Should the Office require a complete scanned copy of the original application, or have any other questions or concerns, please call the undersigned attorney for Applicants.

Respectfully submitted,

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as an e-mail to the remote server 900. At step 1206, the remote server 900 receives the contents and updates its database. At step 1208, the rules updates may be provided to the remote unit.

#### **Interfacing to the Remote Device**

5 As discussed above, according to embodiments of the present invention, presence-position and software updates may be transmitted to and from the remote device via a cellular telephone dial-up. That is, to report changes in position, the remote device 150 may dial a toll free number associated with either the remote or enterprise server and using a modem (or  
10 similar device on a digital channel), transmit the position information on the voice channel. However, other cellular data technologies may be used. In other embodiments of the invention, any radio data network may be used, such as the cellular control channel (e.g., using SMS or CDPD technologies); wireless LAN technologies (e.g., Wi-Fi or IEEE 802.11a, b, g); or two-way  
15 radio technologies may be employed for sending and receiving the presence or update information.

In FIGS. 13-15, operation of such embodiments will be discussed with reference to an SMS-based system. In particular, FIG. 13 illustrates an exemplary network configuration for such an embodiment. FIG. 13 illustrates  
20 a system in which a data communications network such as a Short Message Service (SMS) is used for position and software update transmission. As noted above, other data transmission systems may be employed, however.

Shown are a remote device 150 and a server 152. Also shown are a wireless network 1302, an SMSC 1300, and Internet/Intranet 1304. As will be  
25 explained in greater detail below, the remote device 150 receives positioning signals (not shown) from a positioning network and transmits them via the wireless network 1302 to the SMSC 1300. The SMSC 1300 then transmits the message over Internet/Intranet 1304 to the server 152.

In the embodiment illustrated, the remote device 150 includes GPS  
30 receiver 504, cellular transceiver 502, and a data interface 159, such as an e-mail or text messaging interface. As illustrated, the interface is particularly SMS control unit 159. Similarly, remote server 152 includes interface 166,